

DRAFT HUNTERS POINT NAVAL SHIPYARD BASE REALIGNMENT AND CLOSURE CLEANUP TEAM MEETING MINUTES

July 28, 2011

These minutes summarize the meeting of the Hunters Point Naval Shipyard (HPNS) Base Realignment and Closure (BRAC) Cleanup Team (BCT) held on July 28, 2011, at the CH2M Hill offices in Oakland, California. Participants in the meeting included the BCT, which is made up of representatives from the Department of the Navy (Navy), the U.S. Environmental Protection Agency (USEPA), the California Department of Toxic Substances Control (DTSC), and the San Francisco Bay Regional Water Quality Control Board (RWQCB). The City of San Francisco (City), their consultants, the Lennar team of developers, and Navy consultants also attended the meeting. These minutes describe the key points, decisions, and action items agreed to at the meeting. A list of attendees is included as Attachment A. The document review table is included as Attachment B. Action items from the meeting are included as Attachment C.

1.0 Navy Business/Action Items (Keith Forman, Navy)

Keith Forman (Navy, Base Environmental Coordinator [BEC]) began the meeting with introductions. Mark Ripperda (USEPA) introduced Craig Cooper (USEPA) as the new project manager for the USEPA. This will be Mr. Ripperda's last BCT meeting. Matt Robinson (Circle Point, Community Involvement Manager [CIM]) and Lawrence McGuire (Circle Point, Project Manager) introduced themselves. Mike McGowan (Arc Ecology) announced that Michael Hamman is the director for the India Basin Neighborhood Association (IBNA). Dr. McGowan said that he has replaced Kristine Enea.

- The Navy will send the frac tank data to the BCT. *In progress. Melanie Kito (Navy, Lead Remedial Project Manager [RPM]) said that data for one of the frac tanks has been sent to the BCT and the water results have been approved for use at the site. The data for the other frac tank is being reviewed by Radiological Affairs Support Office (RASO).*
- The Navy will submit a proposal to terminate the methane gas probes on Parcel B Installation Restoration (IR) Sites 7 and 18. *In progress.*

2.0 Radiological Update (Chris Yantos, Navy)

Chris Yantos (Navy RPM) began the radiological program update and summarized the Crisp Road/Parcel E sanitary sewer and storm drain removals and building surveys. Mr. Yantos said that the Crisp Road removal action has been completed and accepted by the Navy. Building 406 has been free released. California Department of Public Health (CDPH) performed confirmation surveys at Building 810 on April 14, 2011, and at Building 414 on June 8, 2011. The Site 701 final version of the final status survey (FSS) report was submitted on July 19, 2011. The Site 704 draft version of the FSS report was submitted on May 25, 2011. The Building 707 Triangle remediation and survey work is going to be deobligated from the current contract and will be picked up as part of the Parcel E 500 series work. The Navy is phasing the field work with the ongoing poly chlorinated biphenyls (PCBs) hotspot removal action. The Navy is drafting the IR

04 scrap yard FSS. Mr. Yantos said that Strontium (Sr) -90 was found in the Building 707 area. Mr. Forman said that RASO had previously predicted a Sr-90 spill in this area.

The sanitary sewer and storm drain removal began in Parcel C on January 4, 2011. Soil was excavated and sanitary sewer and storm drain lines were removed through July 22, 2011. To date, 13,080 linear feet of sanitary sewer and storm drain lines have been removed. Ten of the survey units have received backfill approval. Two of the survey units are complete and the remaining units are in process. Four survey units are currently being surveyed and sampled and seven units are awaiting offsite data prior to requesting approval to backfill.

Mr. Yantos summarized the Parcel C building surveys. The Navy has completed removal of sewer lines in Buildings 203 and 271. The Navy has completed surveys of Buildings 203, 241, and 272, and the data is under internal review. The draft versions of FSS reports for Buildings 214 and 271 are under RASO review. The North Pier radiological survey activities are anticipated to begin in mid-August, following the pier demolition contractor demobilization. The Navy is waiting for concurrence for free-release on Parcel C Buildings 414 and 810. Ryan Miya (DTSC) said that they would give a report update at the end of the presentation. Amy Brownell (City) asked when the Navy would have all of the sanitary sewer and storm drain lines removed from Parcel C. Ms. Kito said that it will not all be contracted until 2012, so she predicted that possibly in 2014. Mr. Yantos clarified that there are sanitary sewer and storm drain lines in Parcels C, E and D-1 remaining.

The sanitary sewer and storm drain line removal commenced in the Parcel E 500 series buildings and building sites on July 12, 2011. Soil was excavated and pipelines were removed through July 22, 2011. To date, 2,404 linear feet of sanitary sewer and storm drain lines were removed. The Navy received, by barge, 50,000 tons of import material for use as backfill. RASO approved task specific plans (TSPs) for Building Sites 503, 507, 508, 509, and 517. The draft TSP for the former Building 506 site is under RASO review. The Navy is drafting TSPs for former Building Sites 520 and 529, and Building 521. Mr. Yantos summarized the field work at the Parcel E 500 series buildings and building sites. The site preparation activities are continuing, the Navy is conducting radiological surveys of the Building 503 site soil, the Navy completed surveying of former Buildings 509 and 517 concrete foundations, data is under review by RASO, and the Navy is continuing to perform material and equipment (M&E) surveys in Building 521.

Mr. Yantos stated that all of the Parcel B building surveys are complete. The Navy is awaiting review and concurrence from the CDPH on the B-140 technical memorandum and FSS. The draft survey unit project report (SUPR), the last Parcel C SUPR, for survey unit (SU)-186 was submitted to the regulatory agencies for comment on July 26, 2011. The draft Parcel B remedial action completion report (RACR) will be submitted to the regulatory agencies after regulatory review of the SU-186 SUPR. The Navy is preparing responses to the regulatory comments on the draft Parcel G RACR.

Mr. Yantos discussed the Building 140 reports. CDPH performed a confirmation survey on the Building 140 discharge tunnel on April 13, 2011. The Navy is awaiting a free-release letter. The final Building 140 technical memorandum was submitted on July 20, 2011. The Navy is requesting release for unrestricted use of all components. The Navy assumed no confirmation

survey by CDPH would be necessary. The Navy is anticipating a separate free-release letter for the technical memorandum. Tracy Jue (CDPH) said that management has not decided whether or not to perform a confirmation survey inside the building. Mr. Miya confirmed that the inside of the building is on a separate track from the outside of the building.

Mr. Yantos said that the TSP is being revised for the Gun Mole Pier and the South Pier. The new TSP will require the removal of concrete and a revision of the survey unit layout. The sanitary sewer and storm drain removal is complete. The Navy will begin submitting the draft SUPR reports in early August 2011. The reports are delayed due to Navy internal review comments and confirmation of scan data in trenches. The draft version of the Building 274 FSS is due to the BCT in August 2011.

Mr. Yantos discussed the IR 7/18 modeling update. A meeting was held with DTSC, CDPH, and the Navy in Sacramento, California on June 8, 2011. The Navy received comments on the dose model. Meeting participants gave recommendations for the remainder of the site characterization. The Navy is currently drafting a revised draft license exemption package based on comments from the regulatory agencies. The revised draft will include a revised dose and risk modeling and a summary of construction activities, historical radiological assessment (HRA) references, and existing data to demonstrate that contamination potential is "unlikely." The revised document is anticipated to be completed in late August 2011. Mr. Forman said he would like to hold a follow-up meeting to discuss the revisions. Mr. Ripperda suggested that the Navy send the current model to CDPH so they would have time to review the current models and request separate models, if needed.

Ms. Jue said that CDPH has not been paid for previous surveys and sample collection, and therefore, they do not have the funds to conduct new surveys or collect samples. Ms. Kito said that CDPH sends an invoice for a lump sum amount and not a breakdown of work performed. She said that she needs more specific information from CDPH on the status of their invoices but that she can't recall receiving a CDPH invoice recently.

Dr. McGowan asked that future executive summaries in completion reports include an explanation of the 10^{-6} versus 10^{-4} cancer risk. Mr. Yantos agreed to provide clarification on the 10^{-6} versus the 10^{-4} cancer risk. The Navy will ensure that future executive summaries include this clarification.

3.0 PCB Hot Spot and IR 7/18 Field Updates (Melanie Kito, Navy)

Ms. Kito provided an update on the PCB hot spot time critical removal action (TCRA) and the IR 7 and 18 fieldwork. Ulrika Messer (Shaw) said they are excavating in Tier 1. She said they have completed the first round of excavation in Tier 2, but they need to go back and address a few areas. Ms. Urizar pointed out the areas of excavation on a figure. The excavation began in August 2010. Tier 3 has been 100% excavated to a depth between 3 and 10 feet below ground surface (bgs) and confirmation samples have been collected.

Ms. Urizar gave a quick update of what has been found in Tier 3. Lead was present at Tier 3, so the area was overexcavated in order to remove it. She said that during the excavation, the contractor flagged all of the areas in the site with lead exceedances. She said they performed many step-outs but ran into total petroleum hydrocarbons (TPH). Ms. Urizar said that Tier 5 has

not been excavated yet, but is planned to begin in the next month. Ms. Messer said that when confirmation samples were collected for Tier 3, they found that the tetrachloroethylene (PCE) from Tier 5 had overlapped into Tier 3. The Navy then had to remove the PCE from Tier 3.

The Navy began excavation of Tier 2 on October 19, 2010. Excavation activities were halted in December 2010 through mid-April 2011. One hundred percent of grids in Tier 2 have been excavated, sampled, and backfilled with clean sand. Over-excavation was required in six grids. Over-excavations were completed with the exception of a Grid 177 sidewall. The construction access road currently prevents over-excavation of the Grid 177 sidewall. The sidewall will be overexcavated after the geotechnical investigation. Ms. Urizar stated that PCB exceedances were located along the shoreline in Tier 2. The Navy also encountered lead and copper exceedances. Ms. Messer said that when they return to overexcavate, they will dig to 10 feet to avoid having to go back a third time. Ms. Urizar said that the Tier 2 exceedances are along the Parcel E-2 boundary. She presented photos of the excavation work.

Approximately 51% of the Tier 1 grids have been excavated, sampled, and backfilled. The Navy has received 92% of collected confirmation sample results, the remaining sample results are pending. Currently, two grids require over-excavation.

The Navy began implementing acceptance sampling procedures on July 5, 2011. A GPS-based investigation process for locating munitions and explosives of concern (MEC). To date, 12 material documented as safe (MDAS) items were encountered and no MEC has been found. Ms. Kito showed photos of the material potentially presenting an explosive hazard (MPPEH) acceptance sampling. Two bags marked as containing asbestos did not actually contain asbestos. The area in which the bags were located was sprayed down with water and then remotely loaded in a double-lined low-level radiological waste (LLRW) roll-off bin. Samples were collected, but asbestos containing material was not detected. The large debris found in the excavation area was processed and stockpiled. To date, 112 roll-off bins were filled with LLRW. Approximately 5,500 cubic yards of non-LLRW were transported by ITSI for off-site disposal. Water from Frac Tank #1 was used for dust control and then the frac tank was demobilized. The Navy continued erosion control and fence line inspections and continued collecting water samples outside of the turbidity curtain. The Navy continued air monitoring and have posted the air monitoring results on the Navy website.

Ms. Kito discussed the soil cover installation at IR 7 and 18. The Navy completed the perimeter fence installation and the hydroseed and hydrostraw application was completed. The composite turf reinforcement matting (CTRM) was installed on all steep slopes, warning signs were installed along the site perimeter, two settlement monuments were installed on the soil cover, an as-built survey was performed and demobilization was completed, the operation and maintenance (O&M) period is to begin, following construction inspection, and an internal draft of the RACR preparation is in progress. Mr. McGowan asked about watering the site to establish the seed germination process. ERRG commented that they are hoping nature works during the fall/winter months and that a large storm event triggers the seed germination process. If that doesn't happen, then the Navy will water the site to help start the germination process. The Parcel B, D-1, and G Soil Hotspot Removal and Parcels D-1 and G Soil Stockpile Removal draft version of the RACR was submitted to the regulatory agencies for review on July 15, 2011. The

Navy is asking for comments by August 15, 2011. Ms. Kito summarized the remedial action completion schedule. Ms. Kito presented several photos of the soil cover.

4.0 Pier Demo Update (Jackie Dunn, Navy)

Jackie Dunn (Navy RPM) said that this may be the last pier demo update and the project is almost complete. She said that most of the base maps are incorrect now because the team is moving into post-demolition activities. She said they started the project in Pier 2 and then moved to submarine Piers B and C. Everything in green on the map has been removed. She showed photos of the progress of the Submarine Piers B and C since the beginning of the project. The wooden portions of Berth 64 have all been removed. The wooden portions of Wharf #2 have also been removed. Some of the concrete and piles on Wharf #2 remain because they serve as support for the pump house. She said that steel sorting and wood grinding are still taking place. The Navy is recycling the steel, as noted in the work plan. She said the Navy was asked how they know that everything has been removed. Ms. Dunn said that a post-bathymetric survey will be conducted and data will be available soon. As of July 22, 2011, 4,184 tons of concrete, 2,420 tons of wood, and 55 tons of asbestos containing material (ACM) have been disposed of and 276 tons of steel have been recycled. Demobilization will begin in August 2011, and the project will be completed in Spring 2012.

Dr. McGowan asked if the Navy could calculate the amount of creyosote was removed from the bay as part of this demo. The Navy took this as an action item.

5.0 TPH and Soil Vapor Intrusion Update (Simon Loli, Navy)

Simon Loli (Navy RPM) said that the presentation will be in two parts. He summarized the schedule for the soil vapor technical memorandum. He summarized the geotechnical results. Mr Loli is only covering Parcels B and G because they are on the early transfer schedule. The Navy collected and analysed 29 geotechnical soil samples. The samples were collected in 2-inch undisturbed sleeves from 3 to 6 feet bgs. The samples were analyzed for particle size distribution, moisture content, dry bulk density and grain density, total porosity, and total organic carbon. Twenty-seven samples consisted of coarse-grained soils and two samples consisted of fine grained silts. The data were used to develop chemical- and depth-specific attenuation factors (AFs) for use in the Tier 2 HHRA modeling. The J&E model calculated AFs in the range of 10^{-3} to 10^{-5} , which simulates greater attenuation than USEPA default values. Mr. Loli summarized the split samples validation. The offsite, third-party, certified TO-15 sampling validation was performed using split samples to assess the performance of the mobile laboratory uncertified TO-15 analyses. A comparison of split samples that both contained detectable chemicals of concern (COC) concentrations indicated that there was about 30% variance between the results from the mobile laboratory and the fixed-base laboratory. The mobile laboratory results were higher than the fixed-base laboratory results. The conclusion is that the mobile laboratory sampling method of using a glass syringe and analyzing in the mobile laboratory is as sensitive and accurate, if not more so, than the fixed-base certified laboratory. There were no exceedances of either poly aromatic hydrocarbons (PAHs) or pesticides in Tier I sample locations. As a result, no Tier II locations were sampled and no step-out locations were selected for sampling.

The Tier I evaluation was calculated based on USEPA AFs. Tier I screening-level and Tier 2 grid-specific HHRA were prepared to estimate the potential indoor air health risks from volatile organic compounds (VOCs) detected in 150 soil vapor samples from 109 locations in 90 1-acre parcel grid blocks during the September 2010 survey in Parcels B, D-1, G, and UC-2. Fifty of the 109 locations did not exceed regulatory thresholds, based on a Tier 1 risk-screening analysis, and do not need to be designated as areas requiring institutional controls (ARICs). The remaining locations were further evaluated using a Tier 2 grid-specific evaluation. Mr. Loli described the Tier II VOC HHRA for Parcels B, G, D-1, and UC-2. Site-specific soil geotechnical parameters were collected from 29 locations and used to support Tier II calculations. The Tier II HHRA threshold is based on residential use (1×10^{-6} risk). The highest concentrations for any location with multiple analyses were used in the calculation. One-half detection limit used for non-detect results.

Mr. Loli summarized the conclusions of the soil vapor intrusion (SVI) survey. The Tier 2 HHRA estimated an average sitewide AF of 9×10^{-4} . This is the same value as the DTSC default for residential AF in modeling. Using the DTSC AF-based SGALs provides the same results as the Tier II site-specific analysis as the average Tier II AFs are identical to the defaults (0.0009 for residential, 0.0004 for commercial). By utilizing site-specific geotechnical and soil gas data, realistic AFs were calculated, rather than using USEPA default values. Site-specific AFs are coincidentally the same as the DTSC default AFs. The primary COCs detected in soil gas samples exceeding SGALs, in order of frequency, are benzene (37 exceedances), chloroform (36), PCE (21), TCE (17), vinyl chloride (5), hexachloroethane (5), ethyl benzene (5), methylene chloride (4), and 1,1-DCA (4). Single occurrences of carbon tetrachloride and bromodichloromethane were also detected exceeding their respective SGALs. Unsampled grid blocks are not ARICs because they are without historical basis for soil gas sampling, and adjacent sampled grid blocks were found to have no significant adverse human health risk. Eleven out of the 90 specific grid blocks exceeded the cancer risk threshold (1×10^{-6}) for residential land use. Nine of these 11 grid blocks have a marginal risk since they did not exceed a minimal risk standard of 5×10^{-6} , and may be included as grid blocks that do not require designation as ARICs. Two of the 11 grid blocks should remain as residential ARICs. There are three sample locations (IR10SG47-10, IR10SG74-6, and PA33B013-0.5-OS) that substantially exceeded (5×10^{-6}) the threshold under the residential scenario. These three sample locations are located within the two-parcel grid blocks, Grid Block G5 in Parcel B and Grid Block B2 in Parcel G. Under the commercial/industrial scenario, the same three sampling locations above also substantially exceeded the threshold under the commercial/industrial scenario.

The Navy recommends that the ARIC for a given parcel should be sized to include only those 1-acre grid blocks indicated by the SVI investigation and human health risk assessment (HHRA) as exceeding the cumulative cancer risk threshold for either commercial/industrial or residential use, as appropriate. No development restrictions should remain for Parcels B, D-1, G, and UC-2 grid blocks that did not have historical investigation basis for soil gas sampling (grid blocks left uncolored in the parcel figures). Likewise, the 79 parcel grid blocks that were specifically sampled and found to have volatiles in soil gas that did not present a significant residential human health risk should not have development restrictions. The ARIC designation for each of the nine grid blocks that are marginally at or slightly over the residential exposure scenario threshold cancer risk should be carefully evaluated. Often default modeling values are so conservative that an order-of magnitude decrease in the calculated cancer risk can be effected

merely by better defining actual modeling parameters or site use rather than using default or approximated values. Secondly, minor engineering design changes (e.g., slightly increasing ventilation air exchange rates, varying door and window size or number, or installing improved vapor barriers) can be planned that would eliminate the need for maintaining major ARICs on marginally effected grid blocks .

Mr. Loli provided a TPH document update. Mr. Loli mentioned that the Parcel B Closeout Report was issued as final on August 2, 2011. This includes the closure of 31 TPH sites, with four remaining that will follow after the fourth quarter groundwater monitoring event. The draft Parcel B Post-Construction Summary Report will be issued in August and the second quarter 2011 Groundwater Monitoring Report will be issued as draft in October 2011. The Parcel B Tank 113A Action Memorandum is expected to be issued as draft in August 2011. Following that, the Parcel C Workplan is expected to be issued near the end of August 2011.

Within Parcel D-1 there are 8 TPH sites and one site is closed. The one site in Parcel D-1 is closed and one site out of the seven in Parcel G has been closed.

6.0 Early Transfer Schedule Update (Melanie Kito, Navy)

Ms. Kito said that the Parcel C remedial design (RD) has been delayed by one month. Ms. Kito said that the Navy will not be issuing any more documents based on speculation. She said that it is more important to issue documents that are based on concrete dates. Ms. Brownell asked why the Finding of Suitability to Transfer (FOST) and Finding of Suitability for Early Transfer (FOSET) dates are still "To Be Determined (TBD)". Ms. Kito said that they cannot estimate when the transfer documents will be issued because the completion reports have not been finalized. Ms. Brownell asked for estimates on the transfer dates. Ms. Kito said that they cannot give specific dates for transfer at this time.

7.0 Community Involvement Update (Keith Forman, Navy)

Mr. Forman, along with Mr. Robinson, met with some of the community members earlier in the month. Mr. Forman wanted to touch base with some of the key community members before a formal announcement was made that a CIM had been appointed for HPNS. He said that they are reaching out to some of the mainstream Protestant churches that can provide the announcement of the new CIM to a large group of the community at one time. Mr. Ripperda said that USEPA would like to know when and where the Navy is going to meet with various community groups. Reverend Aurelius Walker (Grace Tabernacle Church) has invited the Navy to a tabernacle group meeting on August 10, 2011. Mr. Forman said that the the agencies are welcome to attend. Mr. Robinson said that he and Mr. Forman met with Bayview-Hunters Point community members Larry Frias, Espanola Jackson, Francisco DaCosta, Sudeep Rao, and Ray Tompkins to announce that Mr. Robinson would be the CIM for HPNS. Jackie Lane (USEPA) asked to have the contact information for Circle Point sent to her. Mr. Ripperda asked that Marie Harrison be added to the list of community members to contact. Ms. Lane asked that Dr. Honeycutt, Linda Richardson, and Angelo King also be contacted. Ms. Brownell said to add the Community Advisory Committee (CAC) to the list as well. Mr. Forman noted Jaron Brown (POWER) was an exception to the community members on the decline list as he was unable to meet at the proposed date and time and asked to reschedule. Mr. Ripperda said that it would be good to have Ms. Lane and Mr. Robinson meet in person at some point.

Mr. Forman said that the CIM will have designated CIM business cards, mobile phone number, and email address. Lawrence McGuire (Circle Point) said that Mr. Robinson and an administrative assistant both have access to the CIM email address. Mr. McGuire said that there will be an multicultural information line that will have language options in English, Cantonese, and Spanish. It should be available within the next week. The bus tours will be held on August 26th and 27th, 2011. Each tour will last approximately an hour and a half. Each bus will have a 30-person capacity. The community is being asked to RSVP within 7 days in order to reserve a spot on the bus tour. Mr. McGuire said that there will be a total of six tours scheduled that community members can choose to attend. Circle Point has not sent out a broad message to the community yet. They are first contacting specific groups of people to gain interest in the tours. There will be a translator on the buses for the Latino and Chinese community members. Mr. Forman agreed to contact the staff at District 10 regarding the bus tours. Mr. McGuire asked who on the BCT is planning to attend on the bus tours. Ms. Lane asked that she has a spot reserved on the bus for both days. Mr. Forman said that there should be at least one regulator on each tour. Ms. Brownell said that members of the CAC need to be invited to attend a bus tour.

The Navy plans to continue the community radio shows. Mr. Forman summarized the upcoming community meetings. He said that Navy is working on two separate fact sheets right now. It has decided to send the Proposed Plan fact sheet to the mailing list and not the entire Proposed Plan document.

8.0 Action Items/Future Meetings (Keith Forman, Navy)

The next BCT meeting will be held on August 25, 2011, at the CH2M HILL Offices in Oakland, California. Action items are included as Attachment C.

ATTACHMENT A:**HUNTERS POINT NAVAL SHIPYARD
MEETING ATTENDANCE SHEET**

Topic: BCT Meeting
 Location: CH2M Hill Offices
 155 Grand Avenue
 Oakland, CA
 Date/Time: July 28, 2011 / 10:00 a.m.

Organization	Name	Phone Number	E-Mail Address	Present
Navy	Keith Forman	619-532-0913	keith.s.forman@navy.mil	X
	Melanie Kito	619-532-0787	melanie.kito@navy.mil	X
	Lara Urizar	619-532-0960	lara.urizar.ctr@navy.mil	X
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	Chris Yantos	619-532-0952	christopher.yantos.ctr@navy.mil	X
	Simon Loli	619-532-0782	simon.loli.ctr@navy.mil	X
	Laurie Lowman	757-887-7650	laurie.lowman@navy.mil	
	Matt Slack	757-887-4212	matthew.slack@navy.mil	
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	Shane Wells	510-749-5922	robert.s.wells@navy.mil	
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USEPA	Mark Ripperda	415-972-3028	ripperda.mark@epa.gov	X
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	Jackie Lane		Lane.jackie@epa.gov	X
DTSC	Ryan Miya	510-540-3775	rmiya@dtsc.gov	X
Water Board	Ross Steenson	510-622-2445	rsteenson@waterboards.ca.gov	X
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	Kurt Jackson			
	Larry Morgan			
	Steve Hsu	916-440-7940	steve.hsu@cdph.ca.gov	X
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City of SF	Amy Brownell	415-252-3967	amy.brownell@sfdph.org	X
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BVHP/Lennar	Steve Rottenborn	408-458-3205	srottenborn@harveyecology.com	

Organization	Name	Phone Number	E-Mail Address	Present
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	Tom Hall			
Navy Contractors				
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Tetra Tech EC, Inc.	Bill Dougherty	415-216-2731	bill.dougherty@tetrattech.com	
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Circle Point	Lawrence McGuire	415-227-1100	l.mcguire@circlepoint.com	X
	Matt Robinson	510-378-5511	m.robinson@circlepoint.com	X
CDM	Tamzen Macbeth	208-569-5147	macbethtw@cdm.com	
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Organization	Name	Phone Number	E-Mail Address	Present
Arc Ecology	Mike McGowan	415-643-1190	mikemcgowan@arcecology.org	X
BCDC	Rafael Montes	415-352-3670	rafaelm@bcd.ca.gov	X

**ATTACHMENT B: COMPLETED REVIEW PERIODS
HUNTERS POINT NAVAL SHIPYARD DOCUMENT REVIEW TABLE**

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	RWQCB	City of SF
1	E	Draft IR03 Workplan	5/12/11	6/17/11		6/17/11	6/17/11	6/29/11	6/16/11
2	E-2	Final Landfill Gas Monitoring Report for January - March 2011	5/12/11	n/a					
3	E	Final Parcel E Groundwater Treatability Study Technical Report	5/18/11	n/a					
4	UC-3	Final Survey Unit Project Reports (SUPR) for Units 166, 169, 170, and 172 Pkg 37	5/19/11	n/a					
5	E-2	Draft Proposed Plan to BCT	5/23/11	7/11/11		7/8/11	6/29/11		7/11/11
6	B	Draft TM- Unrestricted Radiological Release of Building 140 Including the Suction Channel and Discharge Piping	5/23/11	6/22/11		6/3/11	6/22/11		6/16/11
7	UC-3	Final Survey Unit Project Reports (SUPR) for Units 180, 181, 185, and 188, Work Package 38	5/24/11	n/a					
8	E	Draft Final Status Survey Results, Building 704 Site	5/25/11	6/24/11					

ATTACHMENT B-1: COMPLETED REVIEW PERIODS (cont.)
HUNTERS POINT NAVAL SHIPYARD DOCUMENT REVIEW TABLE

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	RWQCB	City of SF
1	E	Draft IR03 Workplan	5/12/11	6/17/11		6/17/11	6/17/11	6/29/11	6/16/11
2	E-2	Final Landfill Gas Monitoring Report for January - March 2011	5/12/11	n/a					

**ATTACHMENT B-2: CURRENTLY UNDER REVIEW
HUNTERS POINT NAVAL SHIPYARD DOCUMENT REVIEW TABLE**

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	RWQCB	City of SF
1	C	Final In Situ Anaerobic Bioremediation Treatability Study Completion Report, RU C-1, Building 253	6/8/11	n/a					
2	Basewide	Semiannual Groundwater Monitoring Report	6/21/11	n/a					
3	UC-3	Final Survey Unit Project Reports (SUPR) for Units 177, 178, 179, 182, and 183, Work Package # 40	6/24/11	n/a					
4	E-2	ARARs Request Letter For Shipshielding Action Memorandum	6/27/11	7/29/11					
5	UC-3	Final Survey Unit Project Reports (SUPR) for Units 184, 187, 189, and 190, Work Package # 41	6/28/11	n/a					
6	D-2	Draft Final FOST	6/29/11	7/29/11					
7	Basewide	Basewide Stormwater Annual Report	6/29/11	n/a					
8	B,D-1, G, UC-2	Draft Soil Gas Survey Tech Memo	7/1/11	8/1/11					

ATTACHMENT B-2: CURRENTLY UNDER REVIEW (cont.)

HUNTERS POINT NAVAL SHIPYARD DOCUMENT REVIEW TABLE

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	RWQCB	City of SF
9	B	Revised Final Remedial Design Package Parcel B (Excluding IR Sites 7 and 18)	7/5/11	n/a					
10	Basewide	Final Survey Unit Project Reports Abstract, Revision 3, Sanitary Sewer and Storm Drain Removal Project	7/7/11	n/a					
11	E	Draft Final Parcel E Feasibility Study	7/8/11	8/11/11					
12	E-2/B	Final Work Plan for Geotechnical Investigation at Parcel E-2 (IR Site 01/21) and Parcel B (IR Site 26)	7/8/11	n/a					
13	Basewide	Final Survey Unit Project Reports Abstract for Sanitary Sewer and Storm Drain Removal Conducted After January 1, 2011	7/8/11	n/a					
14	B,D-1,G	Draft RACR with CSR for B,D-1, and G Hot Spots to BCT	7/15/11	8/15/11					
15	E-2	Final Quarterly Gas Monitoring Report to BCT (For April through June 2011)	7/20/11	n/a					

**ATTACHMENT B-3: UPCOMING REVIEW PERIODS
HUNTERS POINT NAVAL SHIPYARD DOCUMENT REVIEW TABLE**

Item	Parcel	Document Name	Submittal	Expected Date for Comments	Notes	Agency Submittal of Comments			
			Date			EPA	DTSC	RWQCB	City of SF
1	F	Final Radiological Data Gap Investigation Work Plan	7/29/11	n/a	Date Tentative				
2	E-2	Draft Final Proposed Plan (BCT)	7/29/11	30 days from submittal date	Date Tentative				
3	B	Final – Petroleum hydrocarbon Site Closeout Report Parcel B, Vol 1 and 2	8/2/11	n/a	Date Tentative				
4	C	Draft Pre-RA Initial Characterization Work Plan (RU C1, RU C4, RU C5)	8/8/11	30 days from submittal date	Date Tentative				
5	E-2	Draft TCRA Action Memo for Shipshielding	8/12/11	30 days from submittal date	Date Tentative				
6	E	Draft Final Parcel E Radiological Addendum	8/12/11	45 days from submittal date	Date Tentative				
7	UC-3	Draft Rad RACR	8/15/11	30 days from submittal date	Date Tentative				

ATTACHMENT B-3: UPCOMING REVIEW PERIODS (cont.)
HUNTERS POINT NAVAL SHIPYARD DOCUMENT REVIEW TABLE

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	RWQCB	City of SF
8	C	Draft RU C2 Pre Remedial Action (RA) Initial Characterization Work Plan	8/22/11	30 days from submittal date	Date Tentative				
9	B, D-1, G, UC-2	Final Soil Gas Survey Tech Memo	8/30/11	n/a	Date Tentative				
10	C	Draft TPH Work Plan	8/30/11	30 days from submittal date	Date Tentative				
11	C	Draft RU C5 GWTS Completion Report	9/6/11	n/a	Date Tentative				
12	B, D-1, G	Final RACR with CSR for B,D-1, and G Hot Spots	9/7/11	n/a	Date Tentative				
13	E-2	Final Proposed Plan (Public)	9/7/11	n/a	Date Tentative				
14	B	Draft RACR for IR 7 and 18	9/15/11	30 days from submittal date	Date Tentative				
15	E-2	Draft TCRA Workplan for Shipshielding Area	9/23/11	30 days from submittal date	Date Tentative				

ATTACHMENT B-3: UPCOMING REVIEW PERIODS (cont.)
HUNTERS POINT NAVAL SHIPYARD DOCUMENT REVIEW TABLE

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	RWQCB	City of SF
16	E	Final IR03 Work Plan	9/23/11	n/a	Date Tentative				
17	C	Draft Final Pre-RA Initial Characterization Work Plan (RU C1, RU C4, RU C5)	10/6/11	30 days from submittal date	Date Tentative				
18	G	Final Rad RACR	10/6/11	n/a	Date Tentative				
19	C	Final RU-C2 Pre Remedial Action Initial Characterization Work Plan	10/13/11	n/a	Date Tentative				
20	E	Final Parcel E Feasibility Study	10/14/11	n/a	Date Tentative				
21	C, E	Draft Soil Vapor Sampling Workplan	10/26/11	30 days from submittal date	Date Tentative				
22	E-2	Final TCRA Action Memo for Shipshielding	10/26/11	n/a	Date Tentative				
23	C	Draft Final RU_C5 GWTS Completion Report	10/27/11	30 days from submittal date	Date Tentative				

Notes:

*	Comments deferred to other agency	PCB	Polychlorinated biphenyl
CAP	Corrective Action Plan	ROD	Record of decision
CDPH	California Department of Public Health	RI	Remedial investigation
DTSC	Department of Toxic Substances Control	RTC	Response to comment
EPA	U.S. Environmental Protection Agency	RWQCB	San Francisco Bay Regional Water Quality Control Board
FOSET	Finding of suitability for early transfer	SF	San Francisco
FOSL	Finding of suitability to lease	SUPR	Survey Unit Project Report
FOST	Finding of suitability to transfer	TCRA	Time critical removal action
FS	Feasibility study	TPH	Total petroleum hydrocarbon
FSS	Final status survey		
<u>n/a</u>	<u>Not applicable</u>		

ATTACHMENT C: HUNTERS POINT NAVAL SHIPYARD BASE REALIGNMENT AND CLOSURE CLEANUP TEAM ACTION ITEMS

Item No.	Action Item	Person Authoring the Action Item	Due Date	Person/Agency Committing to Action Item	Resolution Status
Outstanding Action Items					
1	The Navy will submit a proposal to terminate the methane gas probes.	Navy		Navy	In progress.
2	The Navy will send the frac tank data to the BCT.	Navy		<u>Navy</u>	In progress.
New Action Items					
1	Chris Yantos will send CDPH the dose model parameters and types of models being run for Parcel B IR 7 and 18.	Chris Yantos, Navy		Chris Yantos, Navy	
2	Chris Yantos will respond to Mike McGowan's comments from his email asking for clarification on the executive summary of the completion reports. Chris will provide clarification on the 10^{-6} versus the 10^{-4} cancer risk. The Navy will ensure that future executive summaries include this clarification.	Chris Yantos, Navy		Chris Yantos, Navy	
3	The Navy will calculate the creosote removed from the Bay.	Navy		Navy	
4	Keith Forman will send an email to the agencies requesting an extension for the submittal of the Parcel E Draft Proposed Plan.	Keith Forman, Navy		Keith Forman, Navy	

Item No.	Action Item	Person Authoring the Action Item	Due Date	Person/Agency Committing to Action Item	Resolution Status
New Action Items					
5	Circle Point will provide a spreadsheet of the contacts that have been made to the City and to EPA.	Circle Point		Circle Point	
6	Circle Point will reach out to Jackie Lane and set up an in person meeting.	Circle Point		Circle Point	
7	The Navy will discuss the rad impacted designation of the landside of the berths in Parcel B.	Navy		Navy	